

## DISCOVER-AQ Ground Aerosol Parameters

<b>Sensor</b>	<b>Measurement</b>	<b>Parameter</b>	<b>Unit</b>	<b>Description</b>
Tapered Element Oscillating Microbalance (TEOM)	Aerosol Physical Properties	OneHrMC	ug/m <sup>3</sup>	Ambient aerosol mass concetnion for particle smaller than 2.5 um measured by TEOM
Tapered Element Oscillating Microbalance (TEOM)	Meteorological and Navigational Parameters	AmbTemp	C	Ambient air Temperature
Tapered Element Oscillating Microbalance (TEOM)	Meteorological and Navigational Parameters	AmbPres	atm	Ambient air Pressure
Beta Attenuation Monitor (BAM)	Aerosol Physical Properties	Conc	ug/m <sup>3</sup>	Ambient aerosol mass concetnion for particle smaller than 2.5 um by BAM
Beta Attenuation Monitor (BAM)	Meteorological and Navigational Parameters	AT	C	Ambient air Temperature
TSI 3563 Nephometer	Aerosol Optical Properties	bscat(450)	m-1	aerosol total scattering coefficient at 450 nm sampled at 5 m above ground
TSI 3563 Nephometer	Aerosol Optical Properties	bscat(550)	m-1	aerosol total scattering coefficient at 550 nm sampled at 5 m above ground
TSI 3563 Nephometer	Aerosol Optical Properties	bscat(700)	m-1	aerosol total scattering coefficient at 700 nm sampled at 5 m above ground
TSI 3563 Nephometer	Aerosol Optical Properties	bback(450)	m-1	aerosol back scattering coefficient at 450 nm sampled at 5 m above ground
TSI 3563 Nephometer	Aerosol Optical Properties	bback(550)	m-1	aerosol back scattering coefficient at 550 nm sampled at 5 m above ground
TSI 3563 Nephometer	Aerosol Optical Properties	bback(700)	m-1	aerosol back scattering coefficient at 700 nm sampled at 5 m above ground

